

Compound No.	1																				
IUPAC Name	(6E,10E,14E,18E)-2,6,10,15,19,23-Hexamethyl-tetracosa-2,6,10,14,18,22-hexaene																				
Trival Name	Squalene																				
CAS Number	111-02-4	M [g/mol]	410																		
Chemical Formula	C ₃₀ H ₅₀	RRT (cholestane)	0.94																		
Structure		RRT (ergosterol)	0.73																		
		RRT (ergosterol) TMS ether)	0.71																		
Characteristic ions and <u>base peak</u> [m/z]		410, 121, 95, 81, <u>69</u>																			
MS spectrum																					
<p>Detailed description: The mass spectrum shows ion abundance on the y-axis (0 to 1.0 x 10⁴) and mass-to-charge ratio (m/z) on the x-axis (60 to 540). The base peak is at m/z 69.2. Other major peaks are at m/z 81.2, 95.2, 121.1, 149.2, 189.3, 367.3, and 410.3.</p> <table border="1"> <caption>Labeled Peaks in Mass Spectrum</caption> <thead> <tr> <th>m/z</th> <th>Relative Abundance (approx.)</th> </tr> </thead> <tbody> <tr><td>69.2</td><td>1.00</td></tr> <tr><td>81.2</td><td>0.95</td></tr> <tr><td>95.2</td><td>0.40</td></tr> <tr><td>121.1</td><td>0.40</td></tr> <tr><td>149.2</td><td>0.30</td></tr> <tr><td>189.3</td><td>0.10</td></tr> <tr><td>367.3</td><td>0.05</td></tr> <tr><td>410.3</td><td>0.05</td></tr> </tbody> </table>				m/z	Relative Abundance (approx.)	69.2	1.00	81.2	0.95	95.2	0.40	121.1	0.40	149.2	0.30	189.3	0.10	367.3	0.05	410.3	0.05
m/z	Relative Abundance (approx.)																				
69.2	1.00																				
81.2	0.95																				
95.2	0.40																				
121.1	0.40																				
149.2	0.30																				
189.3	0.10																				
367.3	0.05																				
410.3	0.05																				

Compound No.	2																
IUPAC Name	5 α -Cholestane																
Trival Name	Cholestane																
CAS Number	481-21-0	M [g/mol]	372														
Chemical Formula	C ₂₇ H ₄₈	RRT (cholestane)	1.00														
Structure		RRT (ergosterol)	0.78														
		RRT (ergosterol TMS ether)	0.76														
Characteristic ions and <u>base peak</u> [m/z]		372, 357, 262, <u>217</u>															
MS spectrum																	
<p>Detailed description: The mass spectrum shows ion abundance on the y-axis (0 to 1.0 x 10⁴) and mass-to-charge ratio (m/z) on the x-axis (60 to 540). The base peak is at m/z 217.3. Other labeled peaks include m/z 95.2, 149.2, 262.5, 357.4, and 372.3.</p> <table border="1"> <caption>Labeled Peaks in Mass Spectrum</caption> <thead> <tr> <th>m/z</th> <th>Relative Abundance (approx.)</th> </tr> </thead> <tbody> <tr> <td>95.2</td> <td>0.15</td> </tr> <tr> <td>149.2</td> <td>0.20</td> </tr> <tr> <td>217.3</td> <td>1.00</td> </tr> <tr> <td>262.5</td> <td>0.15</td> </tr> <tr> <td>357.4</td> <td>0.60</td> </tr> <tr> <td>372.3</td> <td>0.10</td> </tr> </tbody> </table>				m/z	Relative Abundance (approx.)	95.2	0.15	149.2	0.20	217.3	1.00	262.5	0.15	357.4	0.60	372.3	0.10
m/z	Relative Abundance (approx.)																
95.2	0.15																
149.2	0.20																
217.3	1.00																
262.5	0.15																
357.4	0.60																
372.3	0.10																

Compound No.	3																		
IUPAC Name	2,2-Dimethyl-3-((3E,7E,11E,15E)-3,7,12,16,20-pentamethylhenicos-3,7,11,15,19-pentaenyl)-oxirane																		
Trival Name	Squalene epoxide																		
CAS Number	7200-26-2	M [g/mol]	426																
Chemical Formula	C ₃₀ H ₅₀ O	RRT (cholestane)	1.07																
Structure		RRT (ergosterol)	0.83																
		RRT (ergosterol) TMS ether)	0.81																
Characteristic ions and <u>base peak</u> [m/z]		426, 121, 93, <u>81</u> , 69																	
MS spectrum																			
<p>Detailed description: The mass spectrum shows relative abundance on the y-axis (0 to 1.0) and m/z on the x-axis (60 to 540). The base peak is at m/z 80.9. Other labeled peaks include m/z 68.8, 93.0, 121.0, 147.0, 357.5, and 426.0. The spectrum shows a complex pattern of ions, typical for a terpenoid compound.</p> <table border="1"> <caption>Labeled Peaks in Mass Spectrum</caption> <thead> <tr> <th>m/z</th> <th>Relative Abundance (approx)</th> </tr> </thead> <tbody> <tr><td>68.8</td><td>0.95</td></tr> <tr><td>80.9</td><td>1.00</td></tr> <tr><td>93.0</td><td>0.45</td></tr> <tr><td>121.0</td><td>0.40</td></tr> <tr><td>147.0</td><td>0.20</td></tr> <tr><td>357.5</td><td>0.05</td></tr> <tr><td>426.0</td><td>0.05</td></tr> </tbody> </table>				m/z	Relative Abundance (approx)	68.8	0.95	80.9	1.00	93.0	0.45	121.0	0.40	147.0	0.20	357.5	0.05	426.0	0.05
m/z	Relative Abundance (approx)																		
68.8	0.95																		
80.9	1.00																		
93.0	0.45																		
121.0	0.40																		
147.0	0.20																		
357.5	0.05																		
426.0	0.05																		

Compound No.	4																						
IUPAC Name	Hop-17(21)-ene																						
Trival Name																							
CAS Number	546-99-6	M [g/mol]	410																				
Chemical Formula	C ₃₀ H ₅₀	RRT (cholestane)	1.22																				
Structure		RRT (ergosterol)	0.95																				
		RRT (ergosterol) TMS ether)	0.93																				
Characteristic ions and <u>base peak</u> [m/z]	410, 395, <u>367</u> , 340, 231, 191, 189, 161, 135, 121																						
MS spectrum																							
<p>Detailed description: This is a mass spectrum plot with the y-axis representing relative abundance (0 to 1.0) and the x-axis representing the mass-to-charge ratio (m/z) from 60 to 540. The base peak is at m/z 367.3, reaching an abundance of 1.0. Other major peaks are labeled at m/z 231.5, 161.2, 121.1, 410.3, 340.5, 189.3, and 69.2. Smaller peaks are visible between m/z 60 and 260, and between m/z 300 and 400.</p> <table border="1"> <caption>Labeled Peaks in Mass Spectrum</caption> <thead> <tr> <th>m/z</th> <th>Relative Abundance (approx.)</th> </tr> </thead> <tbody> <tr><td>69.2</td><td>0.15</td></tr> <tr><td>121.1</td><td>0.35</td></tr> <tr><td>161.2</td><td>0.45</td></tr> <tr><td>189.3</td><td>0.25</td></tr> <tr><td>231.5</td><td>0.60</td></tr> <tr><td>257.4</td><td>0.10</td></tr> <tr><td>340.5</td><td>0.20</td></tr> <tr><td>367.3</td><td>1.00</td></tr> <tr><td>410.3</td><td>0.15</td></tr> </tbody> </table>				m/z	Relative Abundance (approx.)	69.2	0.15	121.1	0.35	161.2	0.45	189.3	0.25	231.5	0.60	257.4	0.10	340.5	0.20	367.3	1.00	410.3	0.15
m/z	Relative Abundance (approx.)																						
69.2	0.15																						
121.1	0.35																						
161.2	0.45																						
189.3	0.25																						
231.5	0.60																						
257.4	0.10																						
340.5	0.20																						
367.3	1.00																						
410.3	0.15																						

Compound No.	5					
IUPAC Name	22-Hydroxy-21 α H-hopane					
Trival Name						
CAS Number		M [g/mol]	428			
Chemical Formula	C ₃₀ H ₅₂ O	RRT (cholestane)	1.28			
Structure		RRT (ergosterol)	0.99			
		RRT (ergosterol TMS ether)	0.97			
Characteristic ions and <u>base peak</u> [m/z]	428, 410, 395, 340, 243, <u>191</u> , 161, 135, 95					
MS spectrum						
<p>Mass spectrum plot showing relative abundance ($\times 10^4$) on the y-axis (0 to 1.0) and m/z on the x-axis (60 to 540). The base peak is at m/z 191.2. Other significant peaks are labeled at m/z 69.2, 95.2, 119.2, 161.2, 218.3, 243.5, 257.4, 340.5, 395.4, 410.3, 428.3, and 536.0. A small circle highlights the noise peak at m/z 536.0.</p>						
536 [m/z]: noise						

Compound No.	6																						
IUPAC Name	Ergosta-5,7,22-trien-3 β -ol																						
Trival Name	Ergosterol																						
CAS Number	57-67-4	M [g/mol]	396																				
Chemical Formula	C ₂₈ H ₄₄ O	RRT (cholestane)	1.31																				
Structure		RRT (ergosterol)	1.00																				
		RRT (ergosterol TMS ether)	0.97																				
Characteristic ions and <u>base peak</u> [m/z]		396, 378, <u>363</u> , 253																					
MS spectrum																							
<p>Detailed description: The mass spectrum shows relative abundance on the y-axis (0 to 1.0) and m/z on the x-axis (60 to 540). The base peak is at m/z 363.5. Other labeled peaks include m/z 69.2, 143.2, 211.2, 253.5, 294.5, 337.5, 378.5, and 396.3. The intensity scale is multiplied by 10^4.</p> <table border="1"> <caption>Labeled Peaks in Mass Spectrum</caption> <thead> <tr> <th>m/z</th> <th>Relative Abundance (approx)</th> </tr> </thead> <tbody> <tr><td>69.2</td><td>0.45</td></tr> <tr><td>143.2</td><td>0.15</td></tr> <tr><td>211.2</td><td>0.15</td></tr> <tr><td>253.5</td><td>0.60</td></tr> <tr><td>294.5</td><td>0.10</td></tr> <tr><td>337.5</td><td>0.20</td></tr> <tr><td>363.5</td><td>1.00</td></tr> <tr><td>378.5</td><td>0.30</td></tr> <tr><td>396.3</td><td>0.30</td></tr> </tbody> </table>				m/z	Relative Abundance (approx)	69.2	0.45	143.2	0.15	211.2	0.15	253.5	0.60	294.5	0.10	337.5	0.20	363.5	1.00	378.5	0.30	396.3	0.30
m/z	Relative Abundance (approx)																						
69.2	0.45																						
143.2	0.15																						
211.2	0.15																						
253.5	0.60																						
294.5	0.10																						
337.5	0.20																						
363.5	1.00																						
378.5	0.30																						
396.3	0.30																						

Compound No.	7																		
IUPAC Name	Ergosta-5,7,22-trien-3 β -ol TMS ether																		
Trival Name	Ergosterol TMS ether																		
CAS Number	2625-45-8	M [g/mol]	468																
Chemical Formula	C ₃₁ H ₅₂ OSi	RRT (cholestane)	1.32																
Structure		RRT (ergosterol)	1.03																
		RRT (ergosterol TMS ether)	1.00																
Characteristic ions and <u>base peak</u> [m/z]	468, 378, <u>363</u> , 337																		
<p style="text-align: center;">MS spectrum</p> <p>Detailed description: The mass spectrum shows ion abundance on the y-axis (0 to 1.0 x 10⁴) and mass-to-charge ratio (m/z) on the x-axis (60 to 540). The base peak is at m/z 363.5. Other labeled peaks include m/z 69.2, 131.2, 211.2, 337.7, 378.5, and 468.5.</p> <table border="1"> <caption>Labeled Peaks in Mass Spectrum</caption> <thead> <tr> <th>m/z</th> <th>Relative Abundance (approx)</th> </tr> </thead> <tbody> <tr> <td>69.2</td> <td>0.15</td> </tr> <tr> <td>131.2</td> <td>0.10</td> </tr> <tr> <td>211.2</td> <td>0.10</td> </tr> <tr> <td>337.7</td> <td>0.40</td> </tr> <tr> <td>363.5</td> <td>1.00</td> </tr> <tr> <td>378.5</td> <td>0.35</td> </tr> <tr> <td>468.5</td> <td>0.10</td> </tr> </tbody> </table>				m/z	Relative Abundance (approx)	69.2	0.15	131.2	0.10	211.2	0.10	337.7	0.40	363.5	1.00	378.5	0.35	468.5	0.10
m/z	Relative Abundance (approx)																		
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131.2	0.10																		
211.2	0.10																		
337.7	0.40																		
363.5	1.00																		
378.5	0.35																		
468.5	0.10																		

Compound No.	8																										
IUPAC Name	Adian-5-ene																										
Trival Name																											
CAS Number		M [g/mol]	410																								
Chemical Formula	C ₃₀ H ₅₀	RRT (cholestane)	1.34																								
Structure		RRT (ergosterol)	1.04																								
		RRT (ergosterol TMS ether)	1.02																								
Characteristic ions and <u>base peak</u> [m/z]		410, 395, <u>259</u> , 231, 189, 95																									
MS spectrum																											
<p>Detailed description: The mass spectrum shows relative abundance on the y-axis (0 to 1.0) and m/z on the x-axis (60 to 540). The base peak is at m/z 259.5. Other labeled peaks include m/z 79.2, 95.2, 136.2, 163.0, 189.3, 231.5, 245.3, 274.5, 395.4, and 410.3. The intensity scale is multiplied by 10⁴.</p> <table border="1"> <caption>Labeled Peaks in Mass Spectrum</caption> <thead> <tr> <th>m/z</th> <th>Relative Abundance (approx.)</th> </tr> </thead> <tbody> <tr><td>79.2</td><td>0.25</td></tr> <tr><td>95.2</td><td>0.45</td></tr> <tr><td>136.2</td><td>0.35</td></tr> <tr><td>163.0</td><td>0.25</td></tr> <tr><td>189.3</td><td>0.15</td></tr> <tr><td>231.5</td><td>0.40</td></tr> <tr><td>245.3</td><td>0.15</td></tr> <tr><td>259.5</td><td>1.00</td></tr> <tr><td>274.5</td><td>0.20</td></tr> <tr><td>395.4</td><td>0.15</td></tr> <tr><td>410.3</td><td>0.10</td></tr> </tbody> </table>				m/z	Relative Abundance (approx.)	79.2	0.25	95.2	0.45	136.2	0.35	163.0	0.25	189.3	0.15	231.5	0.40	245.3	0.15	259.5	1.00	274.5	0.20	395.4	0.15	410.3	0.10
m/z	Relative Abundance (approx.)																										
79.2	0.25																										
95.2	0.45																										
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189.3	0.15																										
231.5	0.40																										
245.3	0.15																										
259.5	1.00																										
274.5	0.20																										
395.4	0.15																										
410.3	0.10																										

Compound No.	9																				
IUPAC Name	Fern-7-ene																				
Trival Name																					
CAS Number		M [g/mol]	410																		
Chemical Formula		RRT (cholestane)	1.37																		
Structure		RRT (ergosterol)	1.07																		
		RRT (ergosterol TMS ether)	1.04																		
Characteristic ions and <u>base peak</u> [m/z]		410, 395, 257, <u>243</u> , 231																			
MS spectrum																					
<p>Detailed description: The mass spectrum shows ion abundance on the y-axis (0 to 1.0) and mass-to-charge ratio (<i>m/z</i>) on the x-axis (60 to 540). The base peak is at <i>m/z</i> 243.5. Other labeled peaks include <i>m/z</i> 109.2, 149.2, 231.5, 257.4, 271.5, 395.4, and 410.3. The intensity scale is multiplied by 10⁴.</p> <table border="1"> <caption>Labeled Peaks in Mass Spectrum</caption> <thead> <tr> <th>m/z</th> <th>Relative Abundance (approx.)</th> </tr> </thead> <tbody> <tr><td>109.2</td><td>0.15</td></tr> <tr><td>149.2</td><td>0.12</td></tr> <tr><td>231.5</td><td>0.20</td></tr> <tr><td>243.5</td><td>1.00</td></tr> <tr><td>257.4</td><td>0.25</td></tr> <tr><td>271.5</td><td>0.15</td></tr> <tr><td>395.4</td><td>0.70</td></tr> <tr><td>410.3</td><td>0.10</td></tr> </tbody> </table>				m/z	Relative Abundance (approx.)	109.2	0.15	149.2	0.12	231.5	0.20	243.5	1.00	257.4	0.25	271.5	0.15	395.4	0.70	410.3	0.10
m/z	Relative Abundance (approx.)																				
109.2	0.15																				
149.2	0.12																				
231.5	0.20																				
243.5	1.00																				
257.4	0.25																				
271.5	0.15																				
395.4	0.70																				
410.3	0.10																				

Compound No.	10																				
IUPAC Name	4,4,14-Trimethylcholesta-8,24(28)-dien-3 β -ol TMS ether																				
Trival Name	Lanosterol-TMS-ether																				
CAS Number		M [g/mol]	498																		
Chemical Formula	C ₃₃ H ₅₆ O	RRT (cholestane)	1.43																		
Structure		RRT (ergosterol)	1.09																		
		RRT (ergosterol TMS ether)	1.08																		
Characteristic ions and base peak [m/z]		498, 483, 393, 241																			
MS spectrum																					
<p>Detailed description: The mass spectrum shows ion abundance on the y-axis (0 to 1.0, multiplied by 10⁴) and m/z on the x-axis (60 to 540). The base peak is at m/z 393.5. Other labeled peaks include m/z 73.2, 109.2, 229.5, 241.4, 255.5, 483.3, and 498.4.</p> <table border="1"> <caption>Labeled Peaks in Mass Spectrum</caption> <thead> <tr> <th>m/z</th> <th>Relative Abundance (approx.)</th> </tr> </thead> <tbody> <tr><td>73.2</td><td>0.15</td></tr> <tr><td>109.2</td><td>0.12</td></tr> <tr><td>229.5</td><td>0.10</td></tr> <tr><td>241.4</td><td>0.10</td></tr> <tr><td>255.5</td><td>0.10</td></tr> <tr><td>393.5</td><td>1.00</td></tr> <tr><td>483.3</td><td>0.15</td></tr> <tr><td>498.4</td><td>0.15</td></tr> </tbody> </table>				m/z	Relative Abundance (approx.)	73.2	0.15	109.2	0.12	229.5	0.10	241.4	0.10	255.5	0.10	393.5	1.00	483.3	0.15	498.4	0.15
m/z	Relative Abundance (approx.)																				
73.2	0.15																				
109.2	0.12																				
229.5	0.10																				
241.4	0.10																				
255.5	0.10																				
393.5	1.00																				
483.3	0.15																				
498.4	0.15																				

Compound No.	11																		
IUPAC Name	4,4,14-Trimethylcholesta-8,24(28)-dien-3 β -ol																		
Trival Name	Lanosterol																		
CAS Number		M [g/mol]	426																
Chemical Formula	C ₃₀ H ₅₀ O	RRT (cholestane)	1.44																
Structure		RRT (ergosterol)	1.10																
		RRT (ergosterol TMS ether)	1.10																
Characteristic ions and <u>base peak</u> [m/z]		426, 411, <u>393</u> , 241																	
MS spectrum																			
<p>Detailed description: The mass spectrum shows ion abundance on the y-axis (0 to 1.0 x 10⁴) and mass-to-charge ratio (m/z) on the x-axis (60 to 540). The base peak is at m/z 393.0. Other labeled peaks include m/z 69.0, 109.0, 241.0, 259.0, 411.0, and 426.0.</p> <table border="1"> <caption>Labeled Peaks in Mass Spectrum</caption> <thead> <tr> <th>m/z</th> <th>Relative Abundance (approx.)</th> </tr> </thead> <tbody> <tr> <td>69.0</td> <td>0.3</td> </tr> <tr> <td>109.0</td> <td>0.2</td> </tr> <tr> <td>241.0</td> <td>0.2</td> </tr> <tr> <td>259.0</td> <td>0.15</td> </tr> <tr> <td>393.0</td> <td>1.0</td> </tr> <tr> <td>411.0</td> <td>0.5</td> </tr> <tr> <td>426.0</td> <td>0.2</td> </tr> </tbody> </table>				m/z	Relative Abundance (approx.)	69.0	0.3	109.0	0.2	241.0	0.2	259.0	0.15	393.0	1.0	411.0	0.5	426.0	0.2
m/z	Relative Abundance (approx.)																		
69.0	0.3																		
109.0	0.2																		
241.0	0.2																		
259.0	0.15																		
393.0	1.0																		
411.0	0.5																		
426.0	0.2																		

Compound No.	12																		
IUPAC Name	Hop-22(29)-ene																		
Trival Name	Diploptene																		
CAS Number	1615-91-4	M [g/mol]	410																
Chemical Formula	C ₃₀ H ₅₀	RRT (cholestane)	1.45																
Structure		RRT (ergosterol)	1.12																
		RRT (ergosterol TMS ether)	1.09																
Characteristic ions and <u>base peak</u> [m/z]		410, 395, 367, 299, <u>191</u> , 189, 95																	
MS spectrum																			
<p>Detailed description: The mass spectrum shows ion abundance on the y-axis (0 to 1.0, scaled by $\times 10^4$) and mass-to-charge ratio (m/z) on the x-axis (60 to 540). The base peak is at m/z 191.2. Other labeled peaks include 67.2, 95.2, 204.1, 299.3, 367.5, and 410.3.</p> <table border="1"> <caption>Labeled Peaks in Mass Spectrum</caption> <thead> <tr> <th>m/z</th> <th>Relative Abundance (approx.)</th> </tr> </thead> <tbody> <tr><td>67.2</td><td>0.45</td></tr> <tr><td>95.2</td><td>0.40</td></tr> <tr><td>191.2</td><td>1.00</td></tr> <tr><td>204.1</td><td>0.20</td></tr> <tr><td>299.3</td><td>0.15</td></tr> <tr><td>367.5</td><td>0.10</td></tr> <tr><td>410.3</td><td>0.10</td></tr> </tbody> </table>				m/z	Relative Abundance (approx.)	67.2	0.45	95.2	0.40	191.2	1.00	204.1	0.20	299.3	0.15	367.5	0.10	410.3	0.10
m/z	Relative Abundance (approx.)																		
67.2	0.45																		
95.2	0.40																		
191.2	1.00																		
204.1	0.20																		
299.3	0.15																		
367.5	0.10																		
410.3	0.10																		

Compound No.	13					
IUPAC Name	Hop-21(22)-ene					
Trivial Name						
CAS Number	1615-92-5	M [g/mol]	410			
Chemical Formula	C ₃₀ H ₅₀	RRT (cholestane)	1.47			
Structure		RRT (ergosterol)	1.15			
		RRT (ergosterol) TMS ether)	1.12			
Characteristic ions and <u>base peak</u> [m/z]		410, 395, 367, 341, 297, 231, <u>191</u> , 189, 161, 121				
MS spectrum						
<p>Mass spectrum showing relative abundance ($\times 10^4$) on the y-axis (0 to 1) and m/z on the x-axis (60 to 540). The base peak is at m/z 191.2. Other labeled peaks include 67.2, 121.1, 161.3, 231.5, 257.4, 284.3, 297.5, 341.5, 367.5, 395.4, 410.3, and 431.2. A small peak at m/z 431.2 is circled.</p>						
431 [m/z]: noise						

Compound No.	14																																
IUPAC Name	Hopan-22-ol																																
Trival Name	Diploptero																																
CAS Number		M [g/mol]	428																														
Chemical Formula	C ₃₀ H ₅₂ O	RRT (cholestane)	1.65																														
Structure		RRT (ergosterol)	1.28																														
		RRT (ergosterol TMS ether)	1.25																														
Characteristic ions and <u>base peak</u> [m/z]		428, 395, 367, 341, 281, 207, <u>191</u> , 189, 149, 95																															
MS spectrum																																	
<p>Detailed description: This is a mass spectrum plot with the y-axis representing relative abundance (0 to 1.0) and the x-axis representing the mass-to-charge ratio (m/z) from 60 to 540. The base peak is at m/z 191.2. Other major peaks are labeled at m/z 67.2, 95.2, 121.1, 149.2, 161.2, 207.3, 231.5, 281.5, 299.3, 341.3, 367.3, 395.4, and 428.3. The intensity scale is multiplied by 10⁴.</p> <table border="1"> <caption>Labeled Peaks in Mass Spectrum</caption> <thead> <tr> <th>m/z</th> <th>Relative Abundance (approx.)</th> </tr> </thead> <tbody> <tr><td>67.2</td><td>0.55</td></tr> <tr><td>95.2</td><td>0.55</td></tr> <tr><td>121.1</td><td>0.45</td></tr> <tr><td>149.2</td><td>0.50</td></tr> <tr><td>161.2</td><td>0.35</td></tr> <tr><td>191.2</td><td>1.00</td></tr> <tr><td>207.3</td><td>0.80</td></tr> <tr><td>231.5</td><td>0.30</td></tr> <tr><td>281.5</td><td>0.40</td></tr> <tr><td>299.3</td><td>0.10</td></tr> <tr><td>341.3</td><td>0.25</td></tr> <tr><td>367.3</td><td>0.45</td></tr> <tr><td>395.4</td><td>0.20</td></tr> <tr><td>428.3</td><td>0.15</td></tr> </tbody> </table>				m/z	Relative Abundance (approx.)	67.2	0.55	95.2	0.55	121.1	0.45	149.2	0.50	161.2	0.35	191.2	1.00	207.3	0.80	231.5	0.30	281.5	0.40	299.3	0.10	341.3	0.25	367.3	0.45	395.4	0.20	428.3	0.15
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367.3	0.45																																
395.4	0.20																																
428.3	0.15																																

Compound No.	15																				
IUPAC Name	Hopan-22-ol TMS ether																				
Trival Name	Diploptero TMS ether																				
CAS Number		M [g/mol]	500																		
Chemical Formula	C ₃₃ H ₆₀ OSi	RRT (cholestane)	1.69																		
Structure		RRT (ergosterol)	1.32																		
		RRT (ergosterol TMS ether)	1.28																		
Characteristic ions and <u>base peak</u> [m/z]		395, 340, 280, 191, 189, <u>131</u> , 95, 73																			
MS spectrum																					
<p>Detailed description: The mass spectrum plot shows ion abundance on the y-axis (0 to 1.0 x 10⁴) against the mass-to-charge ratio (m/z) on the x-axis (80 to 540). The most intense peak, the base peak, is at m/z 131.2. Other labeled peaks include m/z 73.2, 95.2, 147.2, 189.3, 280.5, 340.5, and 395.4.</p> <table border="1"> <caption>Labeled Peaks in Mass Spectrum</caption> <thead> <tr> <th>m/z</th> <th>Relative Abundance (approx.)</th> </tr> </thead> <tbody> <tr><td>73.2</td><td>0.25</td></tr> <tr><td>95.2</td><td>0.10</td></tr> <tr><td>131.2</td><td>1.00</td></tr> <tr><td>147.2</td><td>0.05</td></tr> <tr><td>189.3</td><td>0.10</td></tr> <tr><td>280.5</td><td>0.05</td></tr> <tr><td>340.5</td><td>0.05</td></tr> <tr><td>395.4</td><td>0.05</td></tr> </tbody> </table>				m/z	Relative Abundance (approx.)	73.2	0.25	95.2	0.10	131.2	1.00	147.2	0.05	189.3	0.10	280.5	0.05	340.5	0.05	395.4	0.05
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